

Appl. No. : 10/063,731
Filed : May 8, 2002

AMENDMENTS TO THE CLAIMS

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Currently amended) The An isolated nucleic acid of ~~Claim 1~~ having at least 95% nucleic acid sequence identity to:

- (a) ~~a nucleic acid sequence encoding the polypeptide of SEQ ID NO:118;~~
- (b) ~~a nucleic acid sequence encoding the polypeptide of SEQ ID NO:118, lacking its associated signal peptide;~~
- (c) ~~a nucleic acid sequence encoding the extracellular domain of the polypeptide of SEQ ID NO:118;~~
- (d) ~~a nucleic acid sequence encoding the extracellular domain of the polypeptide of SEQ ID NO:118, including its associated signal peptide;~~
- (e) ~~(a)~~ the nucleic acid sequence shown of SEQ ID NO:117;
- (f) ~~(b)~~ the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:117; or
- (g) ~~(c)~~ the full-length coding sequence of the cDNA deposited under ATCC accession number 203363;

~~wherein said extracellular domain is selected from the group consisting of amino acids 24-80 and amino acids 142-172 of SEQ ID NO: 118; and~~

wherein said isolated nucleic acid is more highly expressed in normal lung tissue compared to lung tumor ~~or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal lung compared to lung tumor.~~

5. (Currently amended) The isolated nucleic acid of ~~Claim 1~~ Claim 4 having at least 99% nucleic acid sequence identity to:

- (a) ~~a nucleic acid sequence encoding the polypeptide of SEQ ID NO:118;~~
- (b) ~~a nucleic acid sequence encoding the polypeptide of SEQ ID NO:118, lacking its associated signal peptide;~~
- (c) ~~a nucleic acid sequence encoding the extracellular domain of the polypeptide of SEQ ID NO:118;~~

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~~(d) — a nucleic acid sequence encoding the extracellular domain of the polypeptide of SEQ ID NO:118, including its associated signal peptide;~~

~~(e) — (a) the nucleic acid sequence shown of SEQ ID NO:117;~~

~~(f) — (b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:117; or~~

~~(g) — (c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203363;~~

~~wherein said extracellular domain is selected from the group consisting of amino acids 24-80 and amino acids 142-172 of SEQ ID NO: 118; and~~

~~wherein said isolated nucleic acid is more highly expressed in normal lung tissue compared to lung tumor or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal lung compared to lung tumor.~~

6. **(Currently amended)** An isolated nucleic acid comprising:

~~(a) — a nucleic acid sequence encoding the polypeptide of SEQ ID NO:118;~~

~~(b) — a nucleic acid sequence encoding the polypeptide of SEQ ID NO:118, lacking its associated signal peptide;~~

~~(c) — a nucleic acid sequence encoding the extracellular domain of the polypeptide of SEQ ID NO:118;~~

~~(d) — a nucleic acid sequence encoding the extracellular domain of the polypeptide of SEQ ID NO:118, including its associated signal peptide;~~

~~(e) — (a) the nucleic acid sequence shown of SEQ ID NO:117;~~

~~(f) — (b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:117; or~~

~~(g) — (c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203363;~~

~~wherein said extracellular domain is selected from the group consisting of amino acids 24-80 and amino acids 142-172 of SEQ ID NO: 118.~~

7. **(Cancelled)**

8. **(Cancelled)**

9. **(Cancelled)**

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10. (Cancelled)

11. (Previously Presented) The isolated nucleic acid of Claim 6 comprising the nucleic acid sequence of SEQ ID NO:117.

12. (Previously Presented) The isolated nucleic acid of Claim 6 comprising the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:117.

13. (Original) The isolated nucleic acid of Claim 6 comprising the full-length coding sequence of the cDNA deposited under ATCC accession number 203363.

14. (Currently amended) An isolated nucleic acid that hybridizes under stringent conditions to:

~~(a) — a nucleic acid sequence encoding the polypeptide of SEQ ID NO:118;~~

~~(b) — a nucleic acid sequence encoding the polypeptide of SEQ ID NO:118, lacking its associated signal peptide;~~

~~(c) — a nucleic acid sequence encoding the extracellular domain of the polypeptide of SEQ ID NO:118;~~

~~(d) — a nucleic acid sequence encoding the extracellular domain of the polypeptide of SEQ ID NO:118, including its associated signal peptide;~~

~~(e) — (a) the nucleic acid sequence shown of SEQ ID NO:117;~~

~~(f) — (b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:117; or~~

~~(g) — (c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203363; and~~

wherein said stringent conditions comprise 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C;

wherein said isolated nucleic acid molecule is suitable for use as a PCR primer or probe; and

wherein said isolated nucleic acid is at least about 20 nucleotides in length.

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15. **Canceled**
16. **(Currently Amended)** The isolated nucleic acid of Claim 14 which is at least ~~40~~ about 50 nucleotides in length.
17. **(Currently Amended)** A vector comprising the nucleic acid of ~~Claim 1~~ Claim 4.
18. **(Original)** The vector of Claim 17, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.
19. **(Original)** A host cell comprising the vector of Claim 17.
20. **(Original)** The host cell of Claim 19, wherein said cell is a CHO cell, an E. coli or a yeast cell.
21. **(New)** The isolated nucleic acid of Claim 14 which is at least about 75 nucleotides in length.
22. **(New)** The isolated nucleic acid of Claim 14 which is at least about 100 nucleotides in length.
23. **(New)** The isolated nucleic acid of Claim 14 which is at least about 150 nucleotides in length.
24. **(New)** The isolated nucleic acid of Claim 14 which is at least about 200 nucleotides in length.
25. **(New)** The isolated nucleic acid of Claim 14 which is at least about 250 nucleotides in length.
26. **(New)** An isolated nucleic acid having at least 95% nucleic acid sequence identity to:
- (a) the nucleic acid sequence of SEQ ID NO:117;
 - (b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO: 117; or
 - (c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203363;
- wherein said isolated nucleic acid hybridizes to the complement of a nucleic acid of SEQ ID NO: 73 under conditions of 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x

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Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C.

27. **(New)** The isolated nucleic acid of Claim 26 having at least 99% nucleic acid sequence identity to:

- (a) the nucleic acid sequence of SEQ ID NO: 117;
- (b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO: 117; or
- (c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203363;

wherein said isolated nucleic acid hybridizes to the complement of a nucleic acid of SEQ ID NO: 117 under conditions of 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C.

28. **(New)** A vector comprising the nucleic acid of Claim 26.

29. **(New)** The vector of Claim 28, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.

30. **(New)** An isolated host cell comprising the vector of Claim 28.

31. **(New)** The host cell of Claim 30, wherein said cell is a CHO cell, an E. coli or a yeast cell.